

What is claimed is:

1. A portable terminal device equipped with a first part and a second part openable and closable in relation to the first part, the portable terminal device comprising:

a magnet and a magnetic sensor attached to one of the first part and the second part; and

a magnetic body which is attached to the other of the first part and the second part and leads magnetic force of the magnet to the magnetic sensor when the second part is closed over the first part.

2. The portable terminal device according to claim 1, wherein the magnetic body is a magnetic plate attached to the other of the first part and the second part.

3. The portable terminal device according to claim 1, wherein the magnetic body constitutes at least part of a casing of the other of the first part and the second part.

4. The portable terminal device according to claim 1, wherein the magnet and magnetic sensor are combined into a single unit.

5. The portable terminal device according to claim 1, wherein the second part is pivotably coupled to the first part and opens and closes by pivoting toward and away from the first part.

6. The portable terminal device according to claim 1, wherein the second part is slidably coupled to the first part and opens and closes by sliding toward and away from the first part.

7. An open/close detector which is incorporated into a portable terminal device equipped with a first part and a second part openable and closable in relation to the first part and detects opening and closing of the second part in relation to the first part, the open/close detector comprising:

a magnet and a magnetic sensor attached to one of the first part and the second part; and

a magnetic body which is attached to the other of the first part and the second part and leads magnetic force of the magnet to the magnetic sensor when the second part is closed over the first part.